In the Claims:

Please cancel claims 1-11 and 25-28. The claims are as follows:

1 - 11 (Canceled)

- 12. (Original) A method of forming a semiconductor interconnect comprising, in the order recited:
 - (a) providing a semiconductor wafer;
 - (b) forming bonding pads in a terminal wiring level on the frontside of said wafer;
 - (c) reducing the thickness of said wafer to produce a reduced thickness wafer;
- (d) providing an evaporation fixture comprising a bottom ring, a shim, an evaporation mask and a top ring;
 - (e) placing said shim into said bottom ring;
 - (f) placing said reduced thickness wafer on said shim;
 - (g) placing on and aligning said mask to said reduced thickness wafer,
- (h) placing said top ring over said mask and temporarily fastening said top ring to said bottom ring;
 - (i) evaporating solder bumps on said bonding pads through said mask;
 - (j) removing said reduced thickness wafer from said fixture; and
 - (k) dicing said reduced thickness wafer into bumped semiconductor chips.
- 13. (Original) The method of claim 12, wherein said solder bumps includes material selected from the group consisting of 95% lead and 5% tin, 97% lead and 3% tin, 100% lead, lead alloys, 100% tin and tin alloys.

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- 14. (Original) The method of claim 12, wherein said mask comprises molybdenum.
- 15. (Original) The method of claim 12, further including, between steps (h) and (i), forming a pad limiting metallurgy layer on said bonding pads.
- 16. (Original) The method of claim 15, wherein said pad limiting metallurgy includes materials selected from the group consisting of titanium nitride, copper, gold, titanium-tungsten, chrome, chrome-copper or combinations thereof.
- 17. (Original) The method of claim 12, wherein step (c) is performed by a process selected from the group consisting of grinding a backside of said wafer with a rotating diamond grindstone, etching said backside surface of said wafer with a mixture of hydrofluoric and nitric acids while rotating the wafer, lapping said backside of said wafer by introducing a slurry containing abrasive particles between said backside of said wafer and a rotating wheel and, chemical-mechanical-polishing.
- 18. (Original) The method of claim 12, further including between steps (j) and (k), annealing said reduced thickness wafer in order to reflow said solder bumps into semi-spherical shapes.
- 19. (Original) The method of claim 12, wherein the combined thickness of said shim and said reduced thickness wafer after step (c) is substantially equal to the thickness of said wafer before performing step (c).

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20. (Original) The method of claim 12, wherein step (e) includes:

determining a first thickness of said reduced thickness waser; and

selecting a shim having a second thickness wherein the first thickness plus the second thickness is substantially equal to a thickness of a standard wafer said fixture is designed to hold without said shim being present, said standard wafer having a thickness greater than a thickness of said reduced thickness wafer.

- 21. (Original) The method of claim 12, wherein step (h) includes pressing peripherics of said mask, said reduced thickness wafer and an outer periphery of said shim a predetermined distance toward a surface of said bottom ring while an inner periphery of said shim is pressed against and interior portions of said reduced thickness wafer and said mask are pressed toward an interiorly located raised annular ring portion of said bottom ring, said annular ring portion extending from said surface of said bottom ring, in order to bow a central part of said reduced thickness wafer and mask away from said bottom ring and bow peripheral portions of said reduced thickness wafer and mask toward said bottom ring.
- 22. (Original) The method of claim 21, wherein step (h) includes selecting a shim of having a thickness such that said reduced thickness wafer is bowed the same amount as said wafer before performing step (c) would have been bowed without said shim being present.
- 23. (Original) The method of claim 21, wherein step (h) includes selecting a shim of having a thickness such that said reduced thickness waser is bowed the same amount as a standard waser BUR9-2003-0026-US1

said fixture is designed to hold without said shim being present would have been bowed without said shim being present, said standard wafer having a thickness greater than a thickness of said reduced thickness wafer.

24. (Original) The method of claim 12, wherein said fixture imparts a bow to said reduced thickness wafer and to said mask, a central part of said reduced thickness wafer and a central part of said mask bowed away from said bottom ring and peripheral portions of said reduced thickness wafer and said mask bowed toward said bottom ring.

25 - 28 (Canceled)

29 - 30 (Not Entered)